

FIG. 1

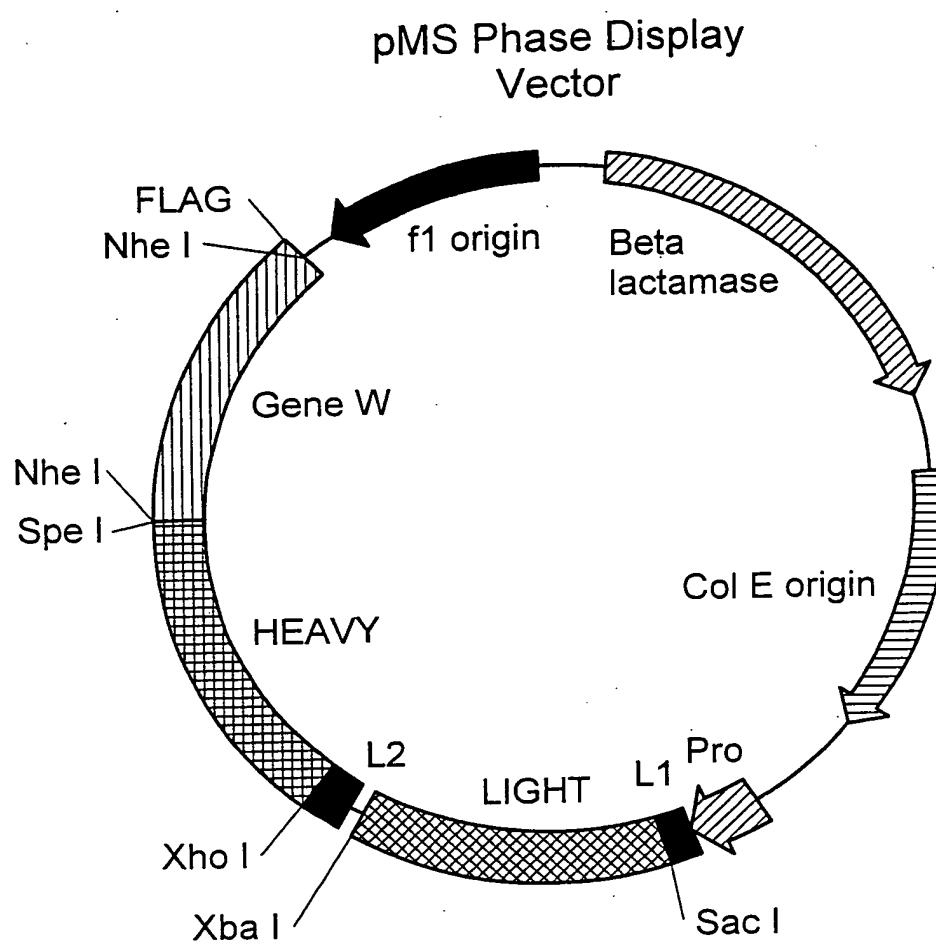
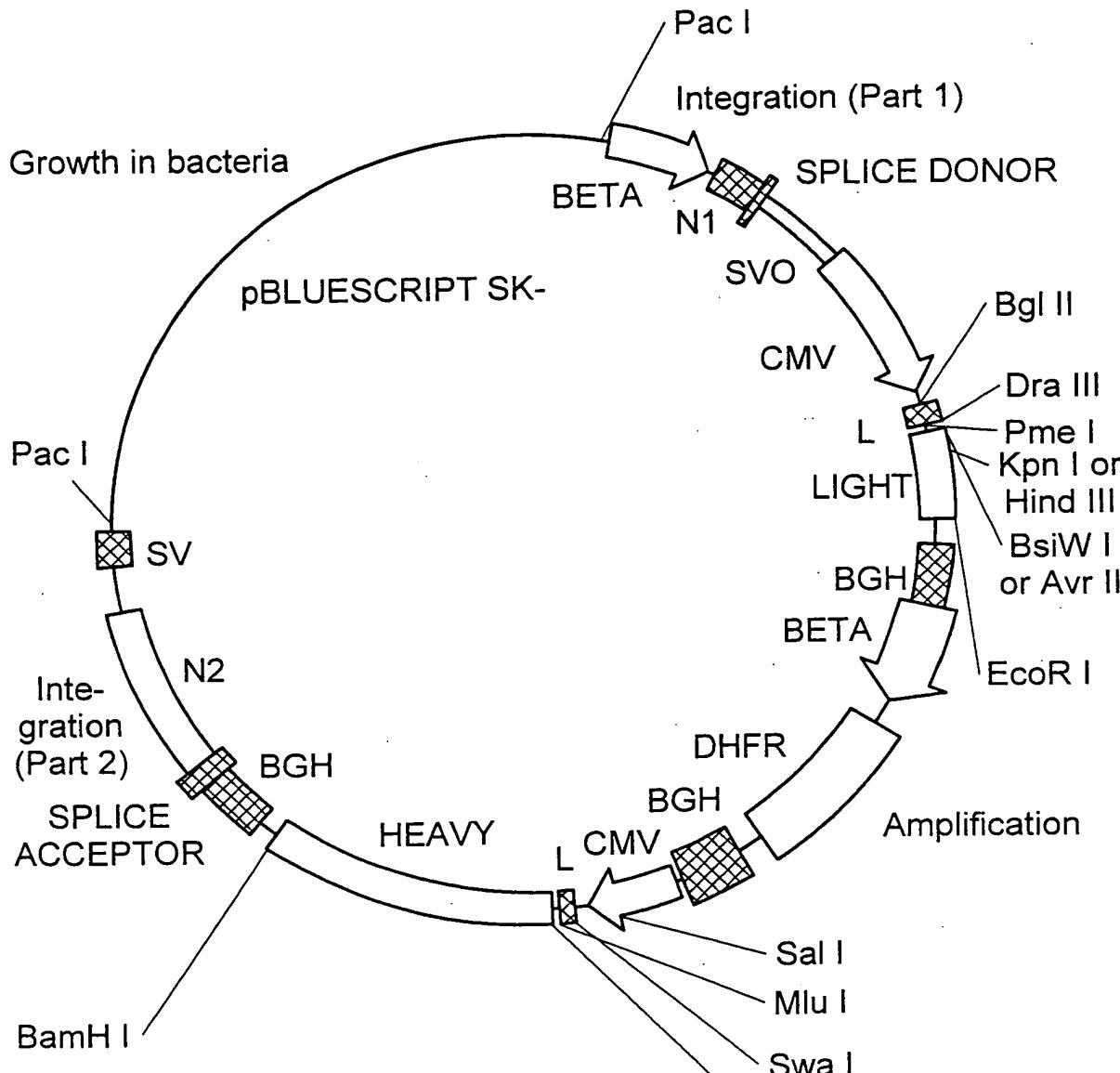


FIG. 2

NEOSPLA



CMV = Cytomegalovirus promoter/enhancer

BETA = Mouse Beta globin major promoter

SVO = SV40 origin

BGH = Bovine growth hormone polyadenylation

SV = SV40 polyadenylation

N1 = Neomycin phosphotransferase exon 1

N2 = Neomycin phosphotransferase exon 2

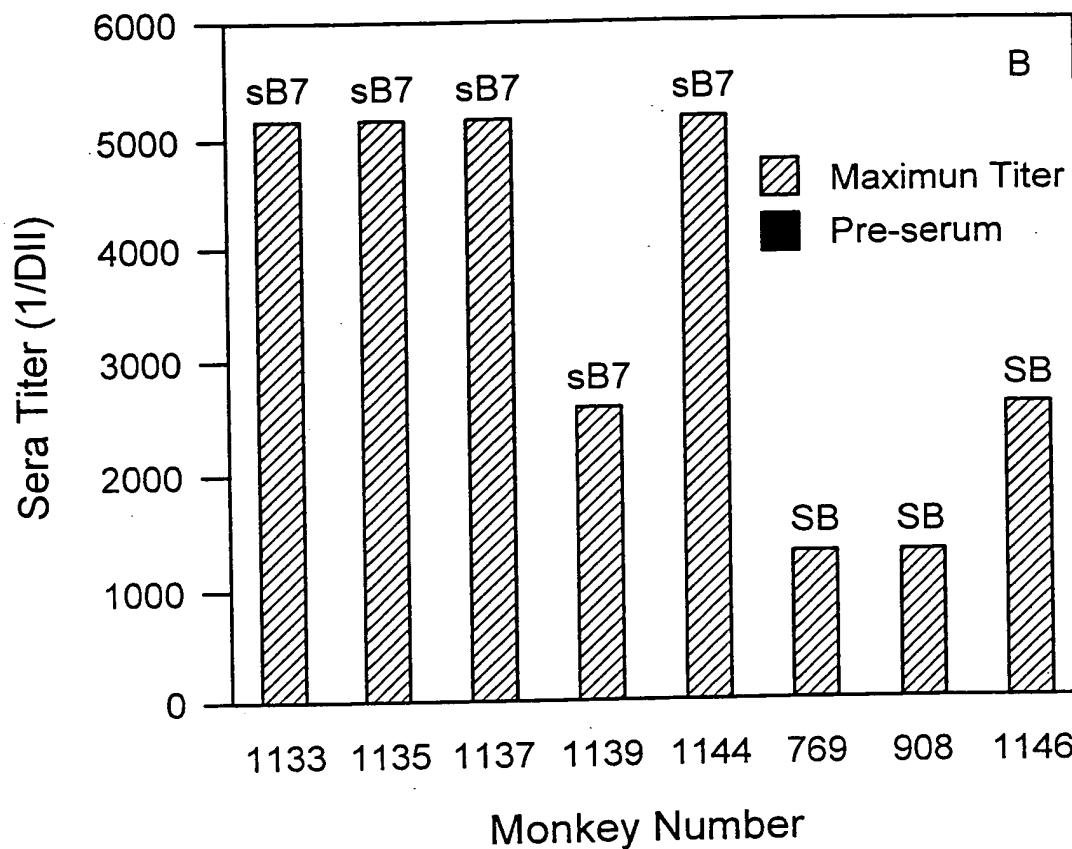
LIGHT = Human immunonoglobulin kappa or lambda constant region

DHFR = Dihydrofolate Reductase

HEAVY = Human immunonoglobulin gamma 1 or gamma 4 PE constant region

L = Leader

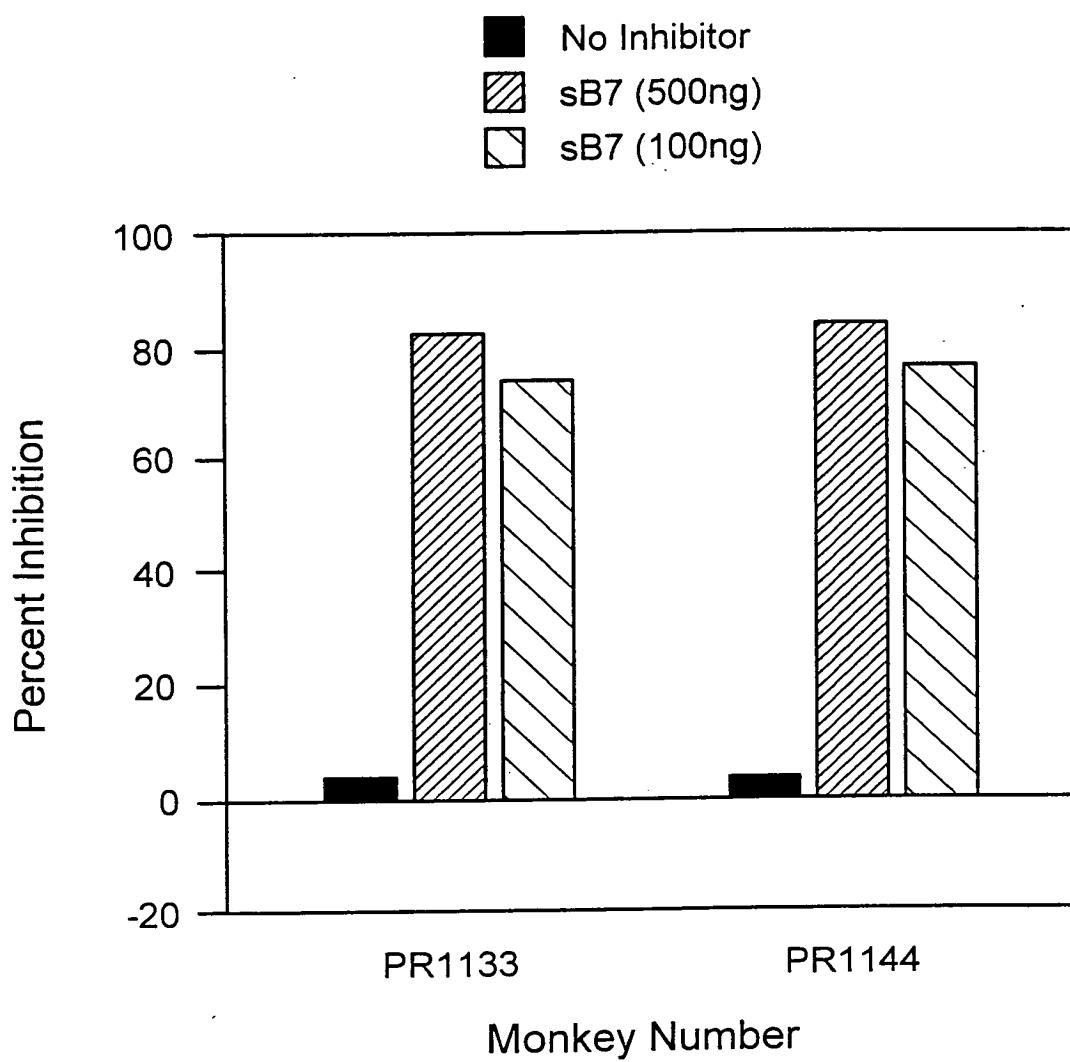
FIG. 3



Monkey Serum Anti-B7.1 Titers Directed Against Cell Surface B7.1 on Transfected CHO Cells. Monkeys 1133-1139 were immunized with sB7.1. Monkeys 769-1146 were immunized with 50 million human B7 positive SB cells.

APPROVED	BY	CLASS	SUBCLASS
DRAFTSMAN			

FIG. 4

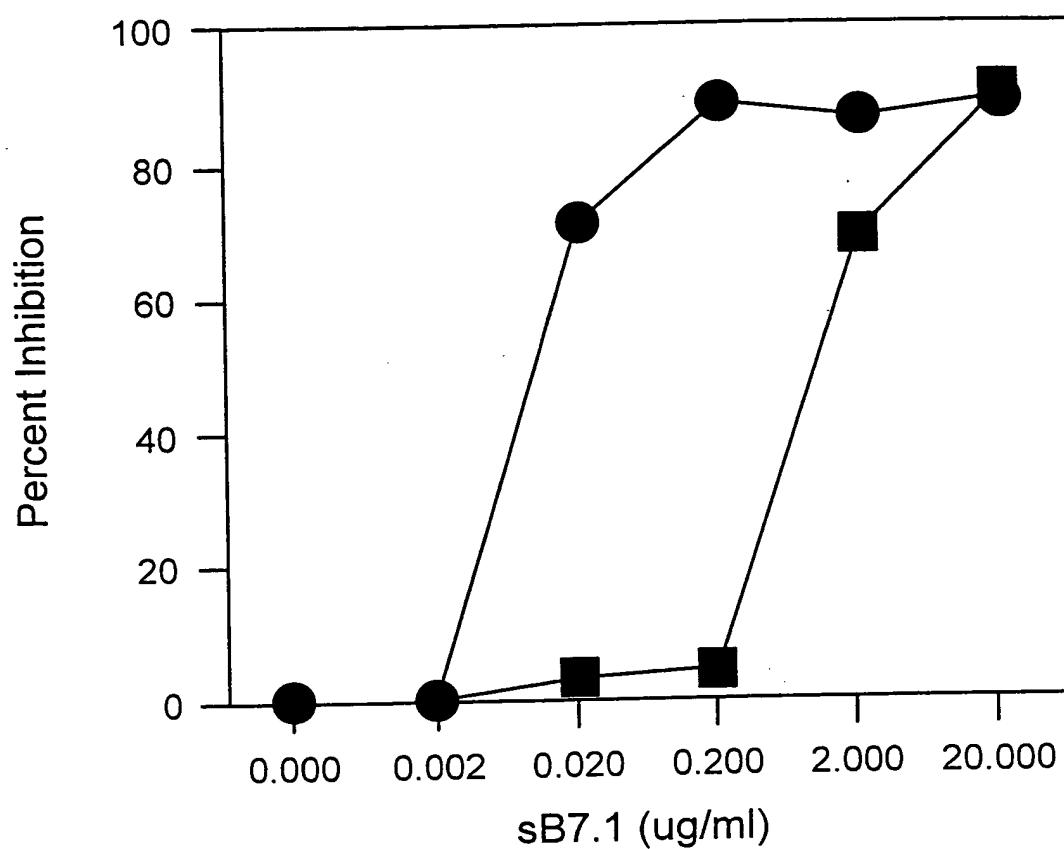


Inhibition of Radiolabeled sB7.1 Binding by sB7.1
Affinity-purified Monkey Antibodies in Presence of
Unlabeled sB7 and MAb L307.4 Murine Anti-B7.1.

APPROVED	Q. S. F.G.
BY	CLASS: SUBCLASS
CRAFTSMAN	

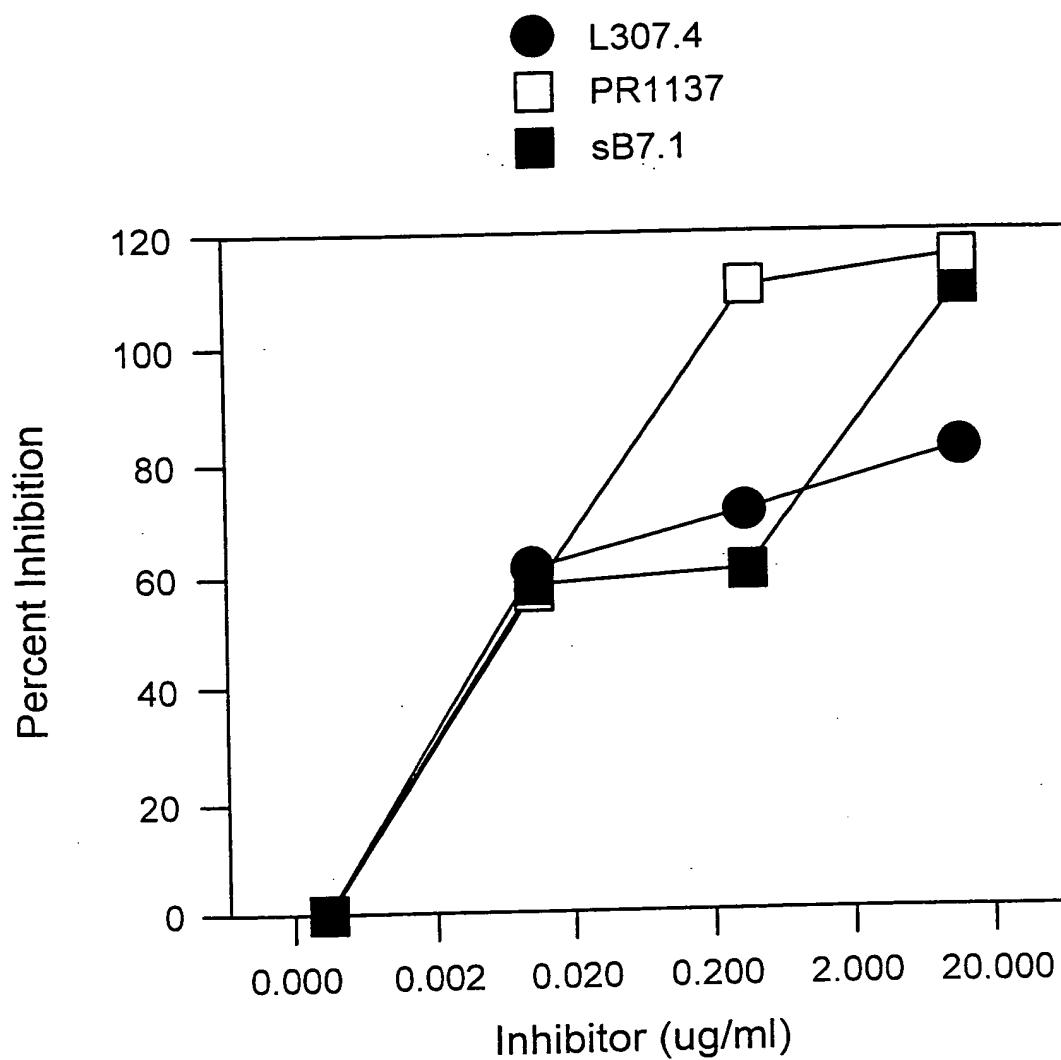
FIG. 5

● PR1135 (5ng)
■ L307.4 (45ng)



Inhibition of Binding of Radiolabeled Monkey 1135
and L307.4 Anti-B7.1 Antibodies to B7 Positive Human
SB Cells by Competition With Affinity-Purified sB7.1.

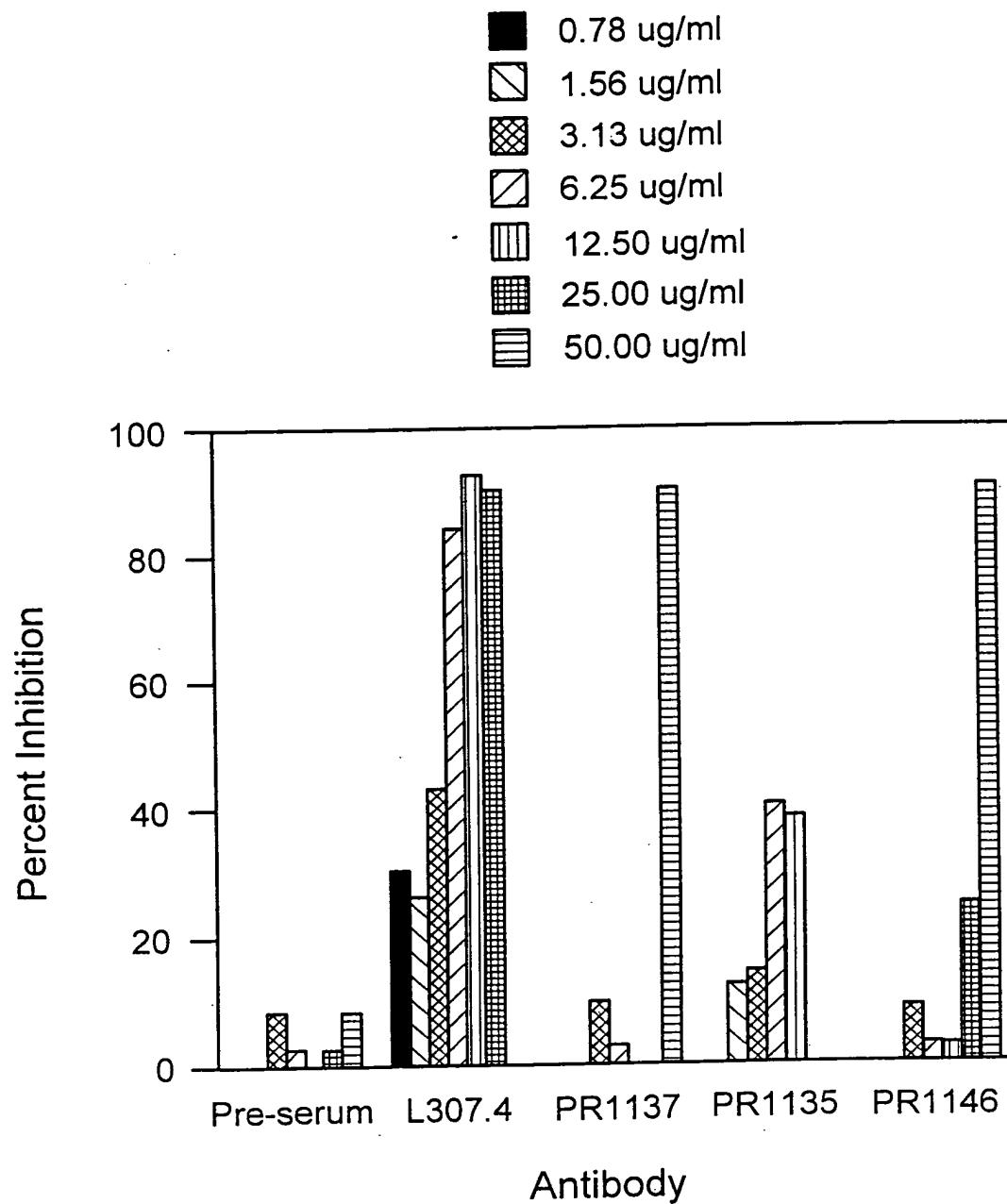
FIG. 6



Inhibition of Radiolabeled B7-Ig Binding to Activated Human Peripheral Blood T Cells by Competing With Unlabeled sB7.1 Murine Anti-B7.1 (L307.4) and Monkey 1127 Affinity-purified Serum Antibodies.

APPROVED	C. C. F.G.
BY	CLASS / SUBCLASS
DRAFTSMAN	

FIG. 7



Inhibition of IL-2 Production in Mixed Lymphocyte Cultures by Anti-B7.1 Affinity-purified Monkey Serum Antibodies. Assays at some concentrations for certain monkeys were not done, due to limiting amounts of purified antibody.

BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 7C10 LIGHT/PRIMATIZED: 705 bp; LISTED FROM: 1 TO: 705;
 TRANSLATED FROM: 1 TO: 703 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

FRAME 1 M R V P A Q L L G L L L L
 ATG AGG GTC CCC GCT CAG CTC CTG GGGCTC CTG CTG CTC
 9 18 27 36

W L P G A R C A Y E L T Q P P
 TGG CTC CCA GGT GCA CGA TGT GCCTAT GAA CTG ACT CAG CCA CCC
 45 54 63 72 81

S V S V S P G Q T A R I T C G
 TCG GTG TCA GTG TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG
 90 99 108 117 126

G D N S R N E Y V H W Y Q Q K
 GGA GAC AAC AGT AGA AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG
 135 144 153 162 171

P A R A P I L V I Y D D S D R
 CCA GCG CGG GCC CCT ATA CTG GTC ATC TAT GAT GAT AGT GAC CGG
 180 189 198 207 216

P S G I P E R F S G S K S G N
 CCC TCA GGGATC CCT GAG CGA TTC TCT GGCTCC AAA TCA GGGAAC
 225 234 243 252 261

T A T L T I N G V E A G D E A
 ACC GCC ACC CTG ACC ATC AAC GGGGTC GAG GCC GGGGAT GAG GCT
 270 279 288 297 306

D Y Y C Q V W D R A S D H P V
 GAC TAT TAC TGT CAG GTG TGG GAC AGG GCT AGT GAT CAT CCG GTC
 315 324 333 342 351

F G G G T R V T V L G Q P K A
 TTC GGA GGA GGGACC CGG GTG ACC GTC CTA GGT CAG CCC AAG GCT
 360 369 378 387 396

A P S V T L F P P S S E E L Q
 GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG CTT CAA
 405 414 423 432 441

A N K A T L V C L I S D F Y P
 GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG
 450 459 468 477 486

FIG. 8A - 1

APPROVED	O G. F.G.
BY	CLASS SUBCLASS
DRAFTSMAN	

G	A	V	T	V	A	W	K	A	D	S	S	P	V	K
GGA	GCC	GTG	ACA	GTG	GCC	TGG	AAG	GCA	GAT	AGC	AGC	CCC	GTC	AAG
495	504			513				522				531		

A	G	V	E	T	T	T	P	S	K	Q	S	N	N	K
GCGGGGAGTG	GAGACC	ACC	ACA	CCC	TCC	AAA	CAA	AGC	AAC	AAC	AAG			
540	549			558			567					576		

Y	A	A	S	S	Y	L	S	L	T	P	E	Q	W	K	
TAC	GC	GG	CC	AGC	AGC	TAC	CTG	AGC	CTG	ACG	CCT	GAG	CAG	TGG	AAG
585	594					603				612			621		

S	H	R	S	Y	S	C	Q	V	T	H	E	G	S	T
TCC	CAC	AGA	AGC	TAC	AGC	TGC	CAG	GTC	ACG	CAT	GAA	GGGAGC	ACC	
630	639					648			657			666		

V E K T V A P T E C S .
 GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA
 675 684 693 702

FIG. 8A - 2

卷之三

APPROVED BY	U. S. P. S.
	CLASS SUBCLASS
DRAFTSMAN	

LENGTH OF 7C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

FRAME 1 M K H L W F F L L L V A A
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
 9 18 27 36

P R W V L S Q V K L Q Q W G E
 CCC AGA TGG GTC CTG TCC CAG GTG AAG CTG CAG CAG TGG GGC GAA
 45 54 63 72 81

G L L Q P S E T L S R T C V V
 GGACTT CTG CAG CCT TCG GAG ACC CTG TCC CGC ACC TGC GTT GTC
 90 99 108 117 126

S G G S I S G Y Y Y W T W I R
 TCT GGT GGCTCC ATC AGC GGT TAC TAC TAC TGG ACC TGG ATC CGC
 135 144 153 162 171

Q T P G R G L E W I G H I Y G
 CAG ACC CCA GGGAGG GGACTG GAG TGG ATT GGCCAT ATT TAT GGT
 180 189 198 207 216

N G A T T N Y N P S L K S R V
 AAT GGT GCGACC ACC AAC TAC AAT CCC TCC CTC AAG AGT CGA GTC
 225 234 243 252 261

T I S K D T S K N Q F F L N L
 ACC ATT TCA AAA GAC ACG TCC AAG AAC CAG TTC TTC CTG AAC TTG
 270 279 288 297 306

N S V T D A D T A V Y Y C A R
 AAT TCT GTG ACC GAC GCGGAC ACG GCC GTC TAT TAC TGT GCGAGA
 315 324 333 342 351

G P R P D C T T I C Y G G W V
 GGCCCT CGCCCT GAT TGC ACA ACC ATT TGT TAT GGC GGCTGG GTC
 360 369 378 387 396

D V W G P G D L V T V S S A S
 GAT GTC TGG GGCCCG GGA GAC CTG GTC ACC GTC TCC TCA GCT AGC
 405 414 423 432 441

T K G P S V F P L A P S S K S
 ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
 450 459 468 477 486

FIG. 8B - 1

APPROVED	O. G. F.C.
BY	CLASS SUBCLASS
DRAFTSMAN	

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACAGCGGCCCTGGCTGCCTGGTC AAG GAC TAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGCGGCCCTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA GGACTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTGGGGGACCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGCGTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCC AAG ACA AAG CCG CGGGAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 8B - 2

APPROVED BY	C. G. FIG.
CLASS	SUBCLASS
DRAFTSMAN	

N G K E Y K C K V S N K A L P
 AAT GGCAAG GAGTAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
 1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
 GCC CCC ATC GAGAAA ACC ATC TCC AAA GCC AAA GGGCAG CCC CGA
 1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
 GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGGGAT GAG CTG ACC
 1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
 AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
 1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
 AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG GAG AAC
 1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
 AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGCTCC TTC
 1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
 TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
 1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
 GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
 1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
 CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
 1395 1404 1413 1422 1431

FIG. 8B - 3

APPROVED	O. G. F.G.
BY	CLAS: SUBCLASS
DRAFTSMAN	

LENGTH OF 7B6 LIGHT/PRIMATIZED: 720 bp; LISTED FROM: 1 TO: 720;
 TRANSLATED FROM: 1 TO: 718 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:10 AM

FRAME 1 M S L P A Q L L G L L L L
 ATG AGC CTC CCT GCT CAG CTC CTC GGGCTG CTA TTG CTC
 9 18 27 36

C V P G S S G E V V M T Q S P
 TGC GTC CCC GGGTCC AGT GGGGAA GTT GTG ATG ACT CAG TCT CCA
 45 54 63 72 81

L S L P I T P G E P A S I S C
 CTG TCC CTT CCC ATC ACA CCT GGA GAG CCG GCC TCC ATC TCC TGT
 90 99 108 117 126

R S S Q S L K H S N G D T F L
 AGG TCT AGT CAA AGC CTT AAA CAC AGT AAT GGA GAC ACC TTC CTG
 135 144 153 162 171

S W Y Q Q K P G Q P P R L L I
 AGT TGG TAT CAG CAG AAG CCA GGC CAA CCT CCA AGG CTC CTG ATT
 180 189 198 207 216

Y K V S N R D S G V P D R F S
 TAT AAG GTT TCT AAC CGGGAC TCT GGGGTC CCA GAC AGA TTC AGC
 225 234 243 252 261

G S G A G T D F T L K I S A V
 GGCAGT GGGGCA GGGACA GAT TTC ACA CTG AAA ATC AGC GCA GTG
 270 279 288 297 306

E A E D V G V Y F C G Q G T R
 GAG GCT GAA GAT GTT GGGGTT TAT TTC TGC GGGCAA GGT ACA AGG
 315 324 333 342 351

T P P T F G G G T K V E I K R
 ACT CCT CCC ACT TTC GGC GGA GGGACC AAG GTG GAA ATC AAA CGT
 360 369 378 387 396

T V A A P S V F I F P P S D E
 ACG GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA TCT GAT GAG
 405 414 423 432 441

Q L K S G T A S V V C L L N N
 CAG TTG AAA TCT GGA ACT GCC TCT GTT GTG TGC CTG CTG AAT AAC
 450 459 468 477 486

FIG. 9A - 1

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

F Y P R E A K V Q W K V D N A
 TTC TAT CCC AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT AAC GCC
 495 504 513 522 531
 L Q S G N S Q E S V T E Q D S
 CTC CAA TCG GGT AAC TCC CAG GAG AGT GTC ACA GAG CAG GAC AGC
 540 549 558 567 576
 K D S T Y S L S S T L T L S K
 AAG GAC AGC ACC TAC AGC CTC AGC AGC ACC CTG ACG CTG AGC AAA
 585 594 603 612 621
 A D Y E K H K V Y A C E V T H
 GCA GAC TAC GAG AAA CAC AAA GTC TAC GCC TGC GAA GTC ACC CAT
 630 639 648 657 666
 Q G L S S P V T K S F N R G E
 CAG GGC CTC AGC TCG CCC GTC ACA AAG AGC TTC AAC AGG GGA GAG
 675 684 693 702 711
 C
 TGT TGA
 720

FIG. 9A - 2

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APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

LENGTH OF 7B6 HEAVY/PRIMATIZED: 1437 bp; LISTED FROM: 1 TO: 1437
 TRANSLATED FROM: 1 TO: 1435 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:09 AM

FRAME 1 M G W S L I L L F L V A V
 ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT
 9 18 27 36

A T R V Q C E V Q L V E S G G
 GCT ACG CGT GTC CAG TGT GAG GTG CAA CTG GTG GAG TCT GGGGGA
 45 54 63 72 81

G L V Q P G G S L R V S C A V
 GGCTTG GTC CAG CCT GGCGGGTCC CTG AGA GTC TCC TGT GCA GTC
 90 99 108 117 126

S G F T F S D H Y M Y W F R Q
 TCT GGA TTC ACC TTC AGT GAC CAC TAC ATG TAT TGG TTC CGCCAG
 135 144 153 162 171

A P G K G P E W V G F I R N K
 GCT CCA GGGAAAG GGGCCG GAA TGG GTA GGT TTC ATT AGA AAC AAA
 180 189 198 207 216

P N G G T T E Y A A S V K D R
 CCGAAC GGT GGGACA ACA GAA TAC GCC GCGTCT GTG AAA GAC AGA
 225 234 243 252 261

F T I S R D D S K S I A Y L Q
 TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCCTAT CTG CAA
 270 279 288 297 306

M S S L K I E D T A V Y Y C T
 ATG AGC AGC CTG AAA ATC GAG GAC ACG GCC GTC TAT TAC TGT ACT
 315 324 333 342 351

T S Y I S H C R G G V C Y G G
 ACA TCC TAC ATT TCA CAT TGT CGGGGT GGT GTC TGC TAT GGA GGT
 360 369 378 387 396

Y F E F W G Q G A L V T V S S
 TAC TTC GAA TTC TGG GGCCAG GGC GCC CTG GTC ACC GTC TCC TCA
 405 414 423 432 441

A S T K G P S V F P L A P S S
 GCT AGC ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC
 450 459 468 477 486

FIG. 9B - 1

APPROVED	C. G. F.G.
BY	CLASS
DRAFTSMAN	

K S T S G G T A A A L G C L V K
 AAG AGC ACC TCT GGGGGCACA GCGGGCC CTG GGCTGC CTG GTC AAG
 495 504 513 522 531

D Y F P E P V T V S W N S G A
 GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC
 540 549 558 567 576

L T S G V H T F P A V L Q S S
 CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
 585 594 603 612 621

G L Y S L S S V V T V P S S S
 GGACTC TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC
 630 639 648 657 666

L G T Q T Y I C N V N H K P S
 TTG GGC ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC
 675 684 693 702 711

N T K V D K K A E P K S C D K
 AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA
 720 729 738 747 756

T H T C P P C P A P E L L G G
 ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA
 765 774 783 792 801

P S V F L F P P K P K D T L M
 CCG TCA GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG
 810 819 828 837 846

I S R T P E V T C V V V D V S
 ATC TCC CGG ACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC
 855 864 873 882 891

H E D P E V K F N W Y V D G V
 CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG
 900 909 918 927 936

E V H N A K T K P R E E Q Y N
 GAG GTG CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG TAC AAC
 945 954 963 972 981

S T Y R V V S V L T V L H Q D
 AGC ACG TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC
 990 999 1008 1017 1026

FIG. 9B - 2

APPROVED	O. G. F. G.
BY	CLASS SUBCLASS
DRAFTSMAN	

W L N G K E Y K C K V S N K A
 TGG CTG AAT GGC AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC
 1035 1044 1053 1062 1071

L P A P I E K T I S K A K G Q
 CTC CCA GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGGCAG
 1080 1089 1098 1107 1116

P R E P Q V Y T L P P S R D E
 CCC CGA GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGGGAT GAG
 1125 1134 1143 1152 1161

L T K N Q V S L T C L V K G F
 CTG ACC AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC
 1170 1179 1188 1197 1206

Y P S D I A V E W E S N G Q P
 TAT CCC AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG
 1215 1224 1233 1242 1251

E N N Y K T T P P V L D S D G
 GAG AAC AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGC
 1260 1269 1278 1287 1296

S F F L Y S K L T V D K S R W
 TCC TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG
 1305 1314 1323 1332 1341

Q Q G N V F S C S V M H E A L
 CAG CAG GGG AAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG
 1350 1359 1368 1377 1386

H N H Y T Q K S L S L S P G K
 CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA
 1395 1404 1413 1422 1431

TGA

FIG. 9B - 3

LENGTH OF 16C10 LAMBDA/PRIMATIZED: 711 bp; LISTED FROM: 1 TO: 711;
TRANSLATED FROM: 1 TO: 709 (ENTIRE REGION);
GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

REVERSE TRANSLATION
DRAFTSMAN: D. S. FIG.
CLASS: 16C10
SUBCLASS: LAMBDA/PRIMATIZED

FRAME 1 M R V P A Q L L G L L L L
ATG AGG GTC CCC GCT CAG CTC CTG GGGCTC CTG CTG CTC
9 18 27 36

W L P G A R C E S V L T Q P P
TGG CTC CCA GGT GCA CGA TGT GAG TCT GTC CTG ACA CAG CCG CCC
45 54 63 72 81

S V S G A P G Q K V T I S C T
TCA GTG TCT GGGGCC CCA GGGCAG AAG GTC ACC ATC TCG TGC ACT
90 99 108 117 126

G S T S N I G G Y D L H W Y Q
GGGAGC ACC TCC AAC ATT GGA GGT TAT GAT CTA CAT TGG TAC CAG
135 144 153 162 171

Q L P G T A P K L L I Y D I N
CAG CTC CCA GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC
180 189 198 207 216

K R P S G I S D R F S G S K S
AAG CGA CCC TCA GGA ATT TCT GAC CGA TTC TCT GGCTCC AAG TCT
225 234 243 252 261

G T A A S L A I T G L Q T E D
GGT ACC GCGGCC TCC CTG GCC ATC ACT GGGCTC CAG ACT GAG GAT
270 279 288 297 306

E A D Y Y C Q S Y D S S L N A
GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT
315 324 333 342 351

Q V F G G G T R L T V L G Q P
CAG GTA TTC GGA GGA GGGACC CGGCTG ACC GTC CTA GGT CAG CCC
360 369 378 387 396

K A A P S V T L F P P S S E E
AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG
405 414 423 432 441

L Q A N K A T L V C L I S D F
CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC
450 459 468 477 486

FIG. 10A - 1

APPROVED	C. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

Y P G A V T V A W K A D S S P
 TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC
 495 504 513 522 531

V K A G V E T T T P S K Q S N
 GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC
 540 549 558 567 576

N K Y A A S S Y L S L T P E Q
 AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG
 585 594 603 612 621

W K S H R S Y S C Q V T H E G
 TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG
 630 639 648 657 666

S T V E K T V A P T E C S
 AGC ACC GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA
 675 684 693 702 711

FIG. 10A - 2

2025 RELEASE UNDER E.O. 14176

APPROVED	C. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

LENGTH OF 16C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431;
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

FRAME 1 M K H L W F F L L L V A A
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTC CTG GTG GCA GCT
 9 18 27 36

P R W V L S Q V Q L Q E S G P
 CCC AGA TGG GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGCCCA
 45 54 63 72 81

G L V K P S E T L S L T C A V
 GGA CTG GTG AAG CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC
 90 99 108 117 126

S G G S I S G G Y G W G W I R
 TCT GGT GGCTCC ATC AGC GGT GGTTAT GGCTGG GGCTGG ATC CGC
 135 144 153 162 171

Q P P G K G L E W I G S F Y S
 CAG CCC CCA GGGAAAG GGGCTG GAG TGG ATT GGGAGT TTC TAT AGT
 180 189 198 207 216

S S G N T Y Y N P S L K S Q V
 AGT AGT GGGAAC ACC TAC TAC AAC CCC TCC CTC AAG AGT CAA GTC
 225 234 243 252 261

T I S T D T S K N Q F S L K L
 ACC ATT TCA ACA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG
 270 279 288 297 306

N S M T A A D T A V Y Y C V R
 AAC TCT ATG ACC GCC GCG GAC ACG GCC GTG TAT TAC TGT GTG AGA
 315 324 333 342 351

D R L F S V V G M V Y N N W F
 GAT CGT CTT TTT TCA GTT GTT GGAATG GTT TAC AAC AAC TGG TTC
 360 369 378 387 396

D V W G P G V L V T V S S A S
 GAT GTC TGG GGCCCG GGA GTC CTG GTC ACC GTC TCC TCA GCT AGC
 405 414 423 432 441

T K G P S V F P L A P S S K S
 ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
 450 459 468 477 486

FIG. 10B - 1

APPROVED	O. C. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GAC TAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGCGCC CTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA GAC TCC TCA GGACTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC ACA TGC CCA AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGG CCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCC AAG ACA AAG CCG CGGGAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 10B - 2

N G K E Y K C K V S N K A L P
AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GCC AAA CCC CGA
1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGGGAT GAG CTG ACC
1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG GAG AAC
1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC TCC TCC TTC
1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
1395 1404 1413 1422 1431

FIG. 10B - 3